

Title (en)
HIGH EFFICIENCY TRANSFECTION BASED ON LOW ELECTRIC FIELD STRENGTH, LONG PULSE LENGTH

Title (de)
HOCHEFFIZIENTE TRANSFEKTION MITTELS NIEDRIGER ELEKTRISCHER FELDSTÄRKE UND LANGER PULSDAUER

Title (fr)
TRANSFECTION TRES EFFICACE UTILISANT UNE FAIBLE INTENSITE DE CHAMP ELECTRIQUE ET UNE LONGUE DUREE D'IMPULSION

Publication
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Application
EP 99928868 A 19990625

Priority
US 9914447 W 19990625

Abstract (en)
[origin: WO0100856A1] A method is provided for introducing nucleic acid into a cell, by contacting the cell with a nucleic acid and applying a low electrical field impulse for a long pulse length. A method is provided for introducing a polypeptide into a cell, by contacting the cell with the polypeptide and applying a low electrical field impulse for a long pulse length.

IPC 1-7
C12N 15/63; **C12N 15/09**

IPC 8 full level
C12N 15/09 (2006.01); **C12N 15/63** (2006.01); **C12N 15/87** (2006.01)

CPC (source: EP)
C12N 15/87 (2013.01)

Citation (search report)

- [X] WO 9901158 A1 19990114 - RHONE-POULENC RORER SA [FR], et al
- [A] WO 9707826 A1 19970306 - CBR LAB INC [US], et al
- [X] AIHARA H ET AL: "GENE TRANSFER INTO MUSCLE BY ELECTROPORATION IN VIVO", NATURE BIOTECHNOLOGY, NATURE PUBLISHING, US, vol. 16, no. 9, September 1998 (1998-09-01), pages 867 - 870, XP001061636, ISSN: 1087-0156
- See references of WO 0100856A1

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DOCDB simple family (application)
US 9914447 W 19990625; AU 4584299 A 19990625; CA 2377565 A 19990625; EP 07010185 A 19990625; EP 99928868 A 19990625